

FIG. 1 is a schematic diagram of a system for monitoring a structure 12, such as a bridge, using a sensor 10. The sensor 10 is connected to a data processing unit 14, which is in turn connected to a computer 16. The computer 16 is connected to a network 18, which is connected to a server 20. The server 20 is connected to a database 22, which is connected to a user interface 24. The user interface 24 is connected to a user 26. The user 26 can interact with the system to monitor the structure 12.

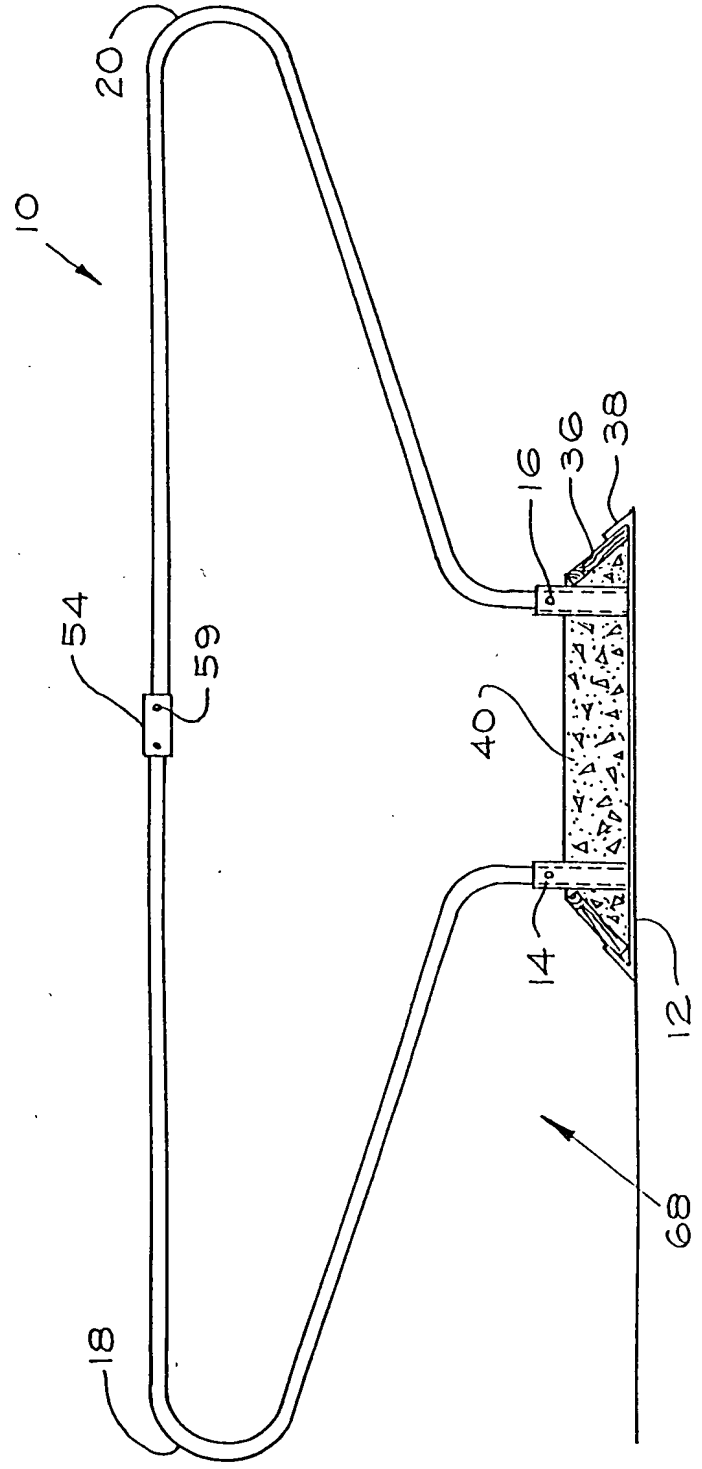


Fig. 1

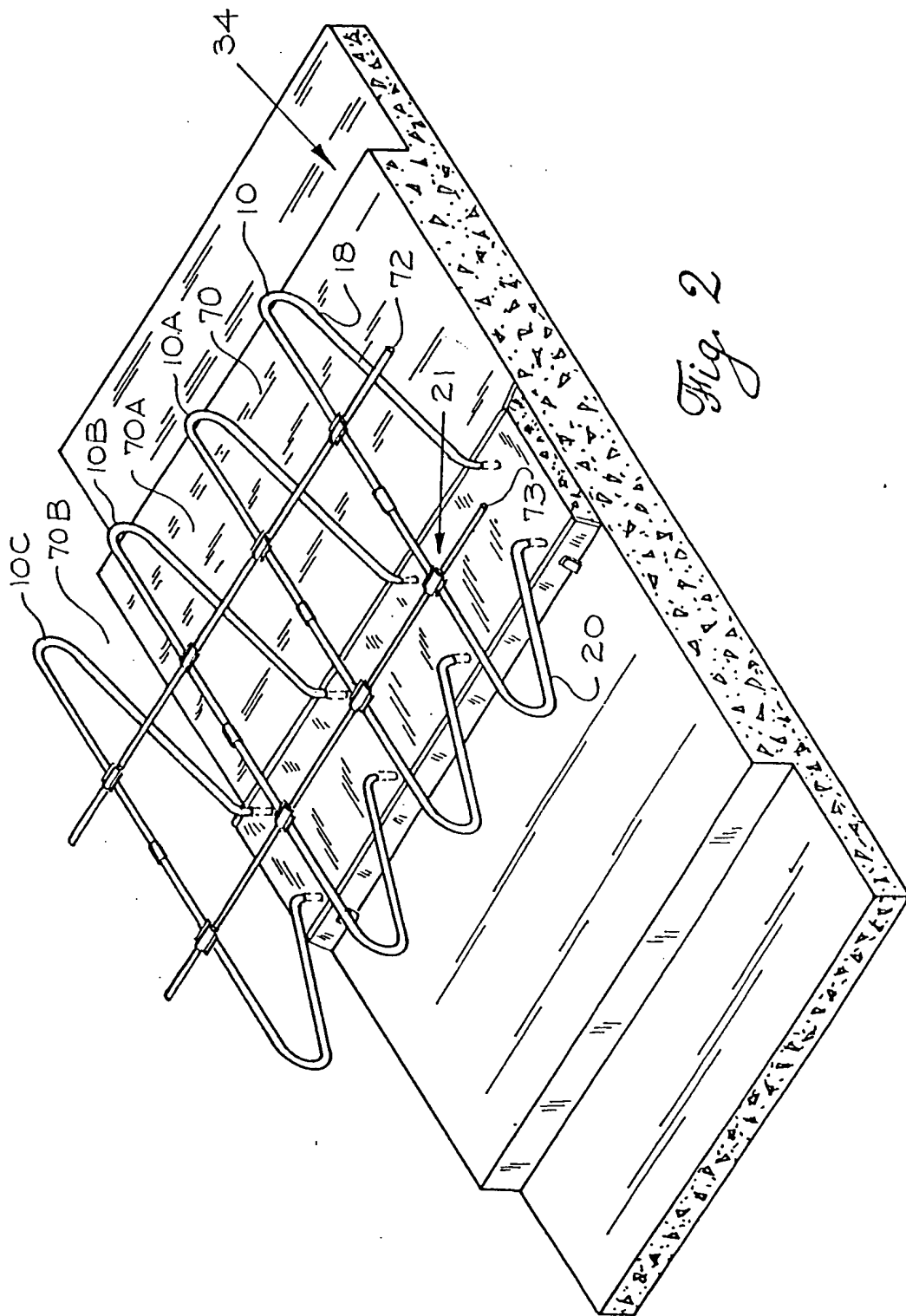
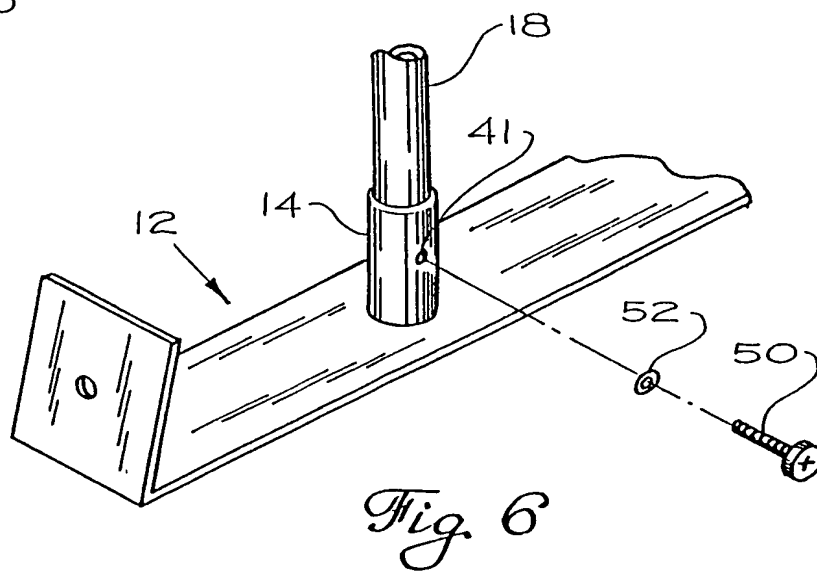
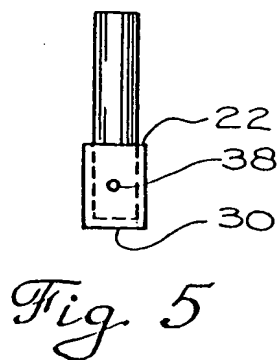
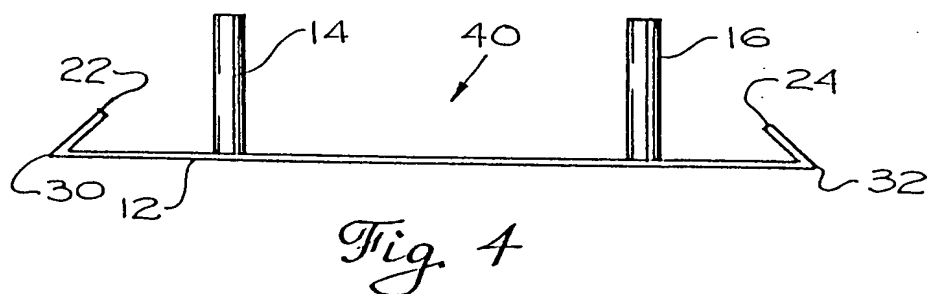
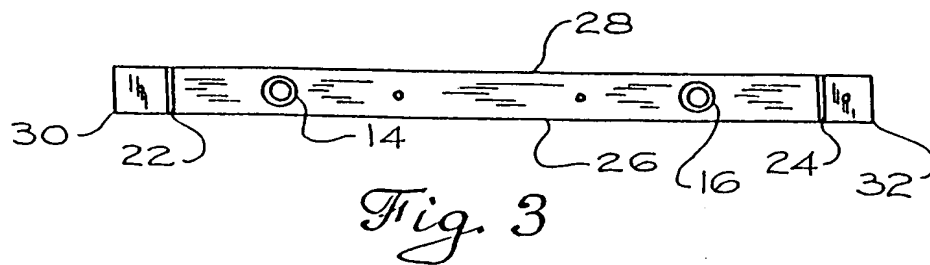


Fig. 2



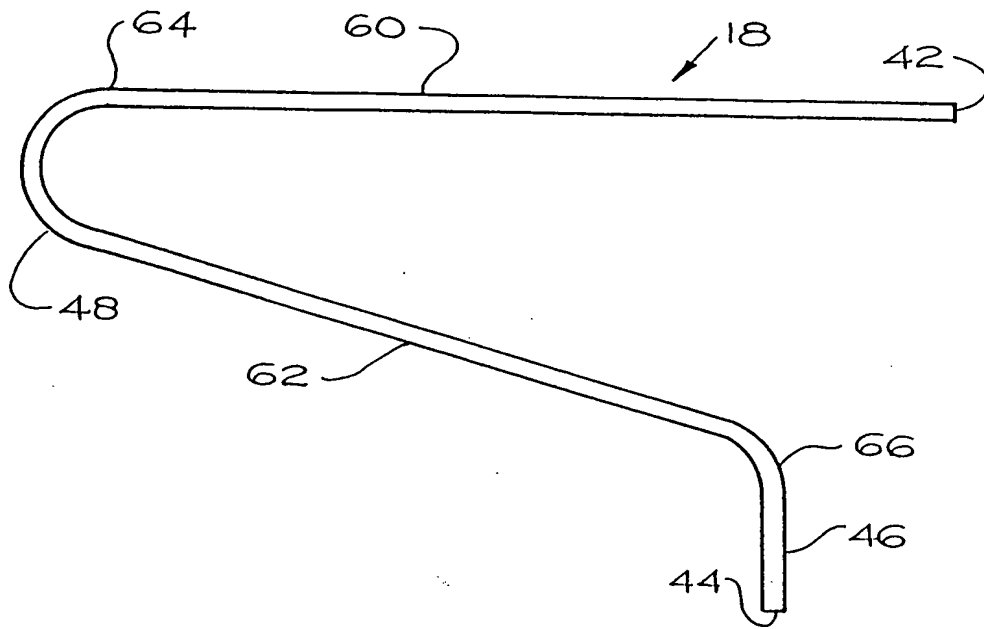


Fig. 7

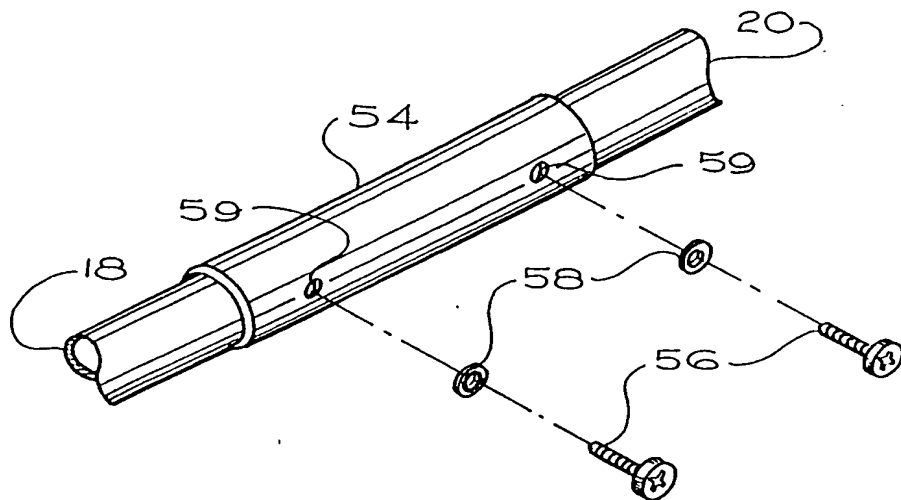


Fig. 8

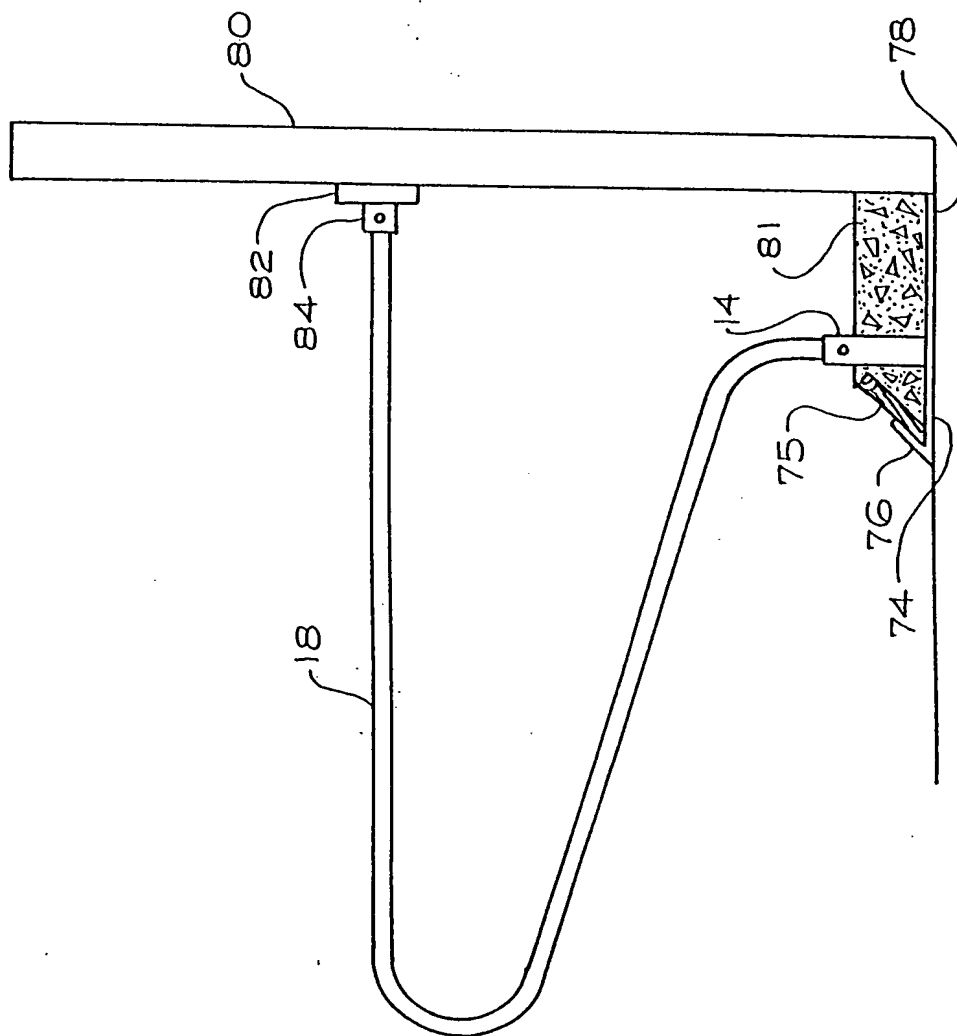
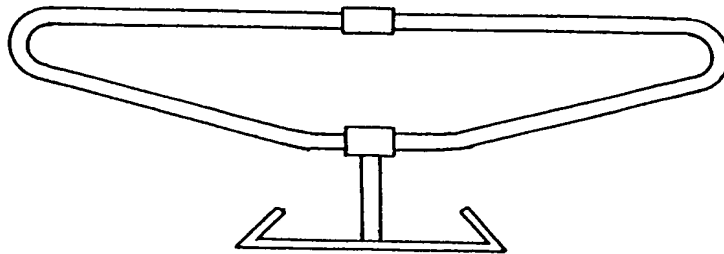
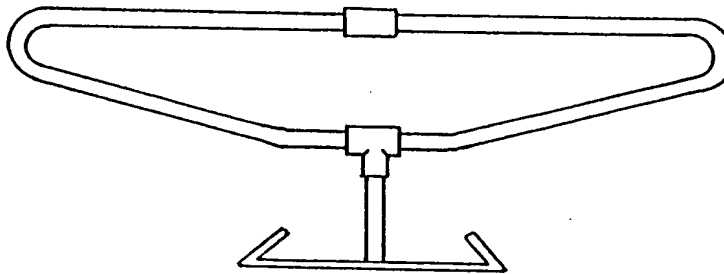


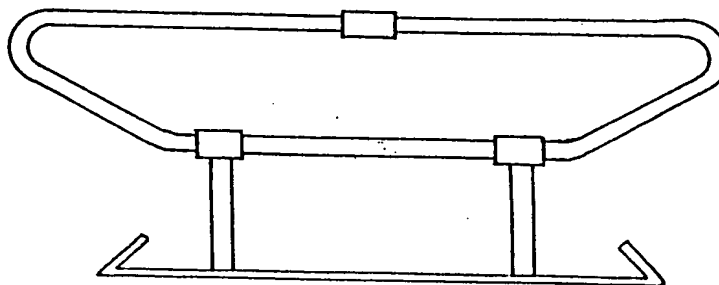
Fig. 9



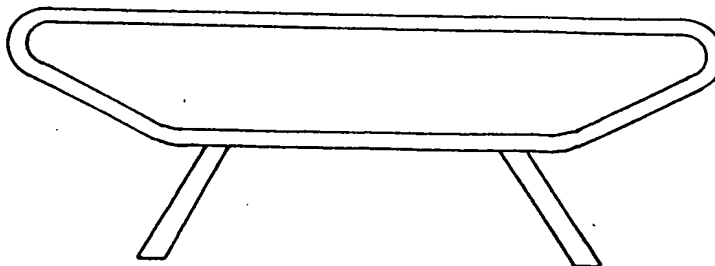
*Fig. 10 A*



*Fig. 10 B*



*Fig. 11*



*Fig. 12*

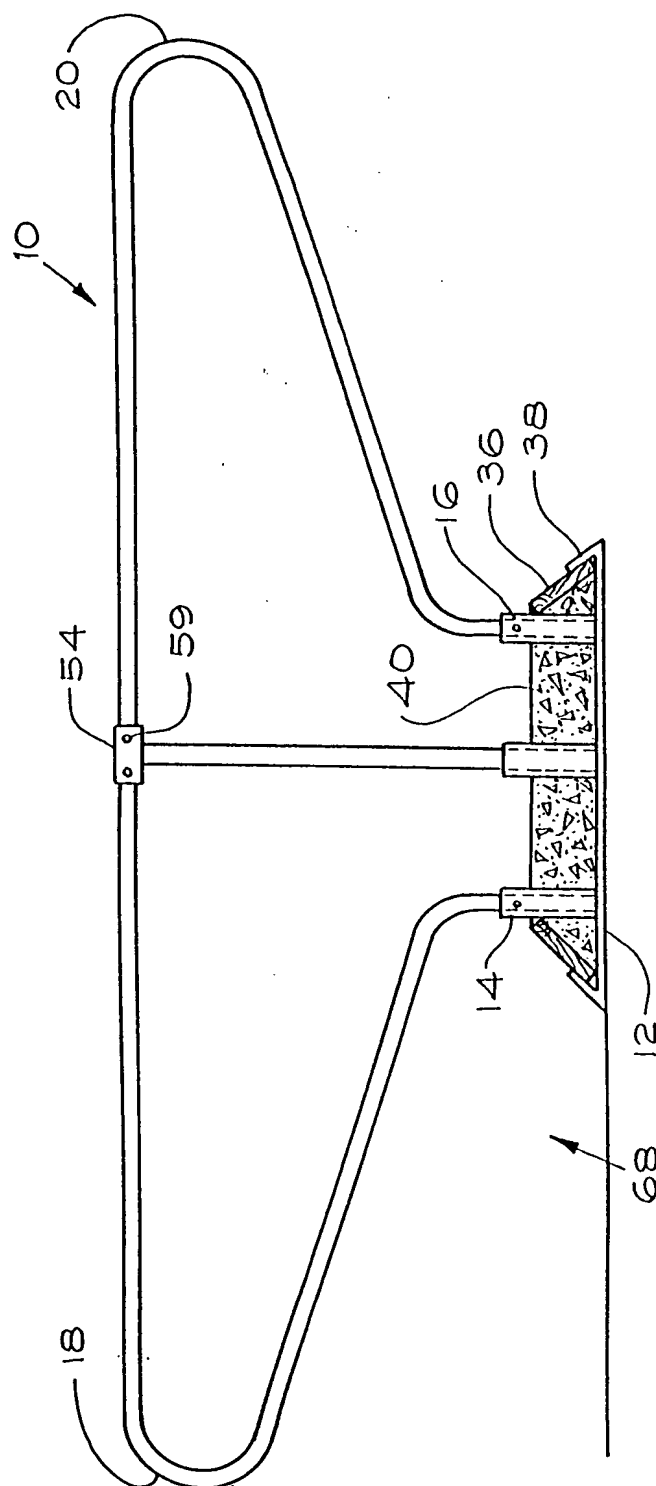


Fig 13

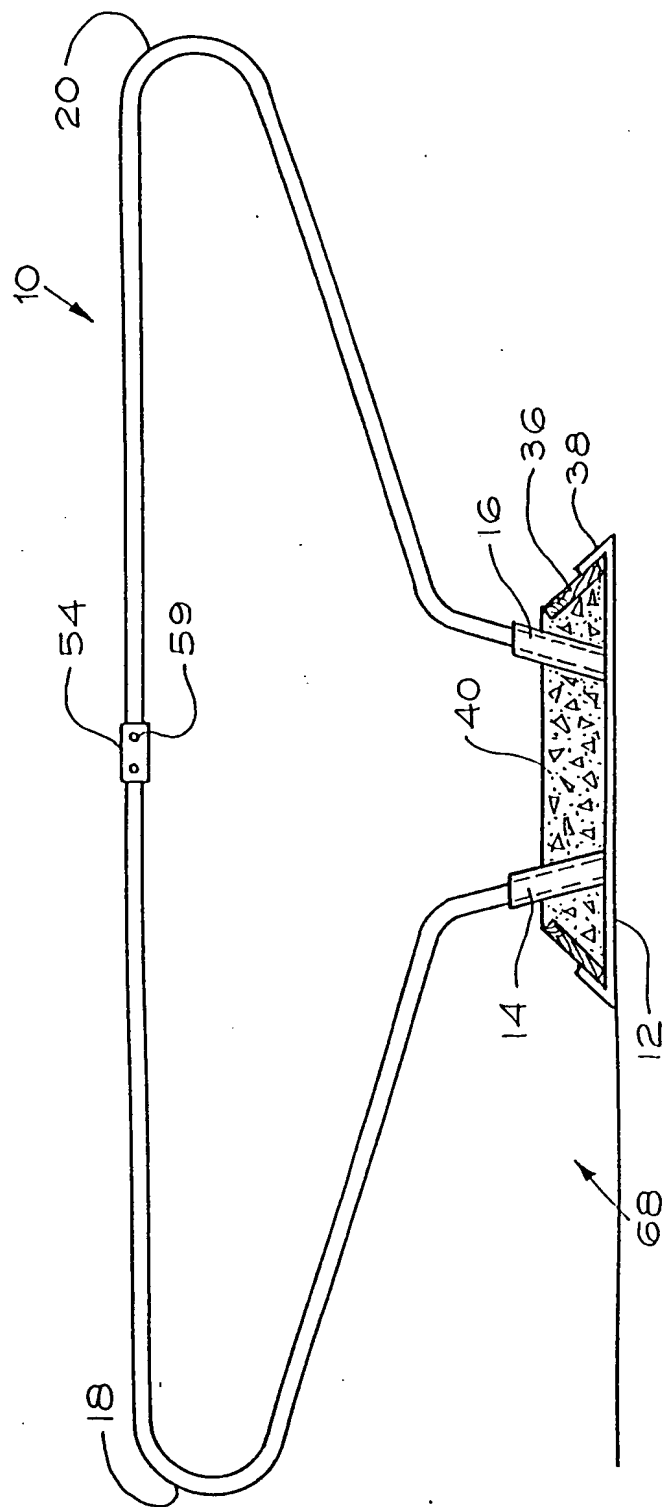


Fig. 14



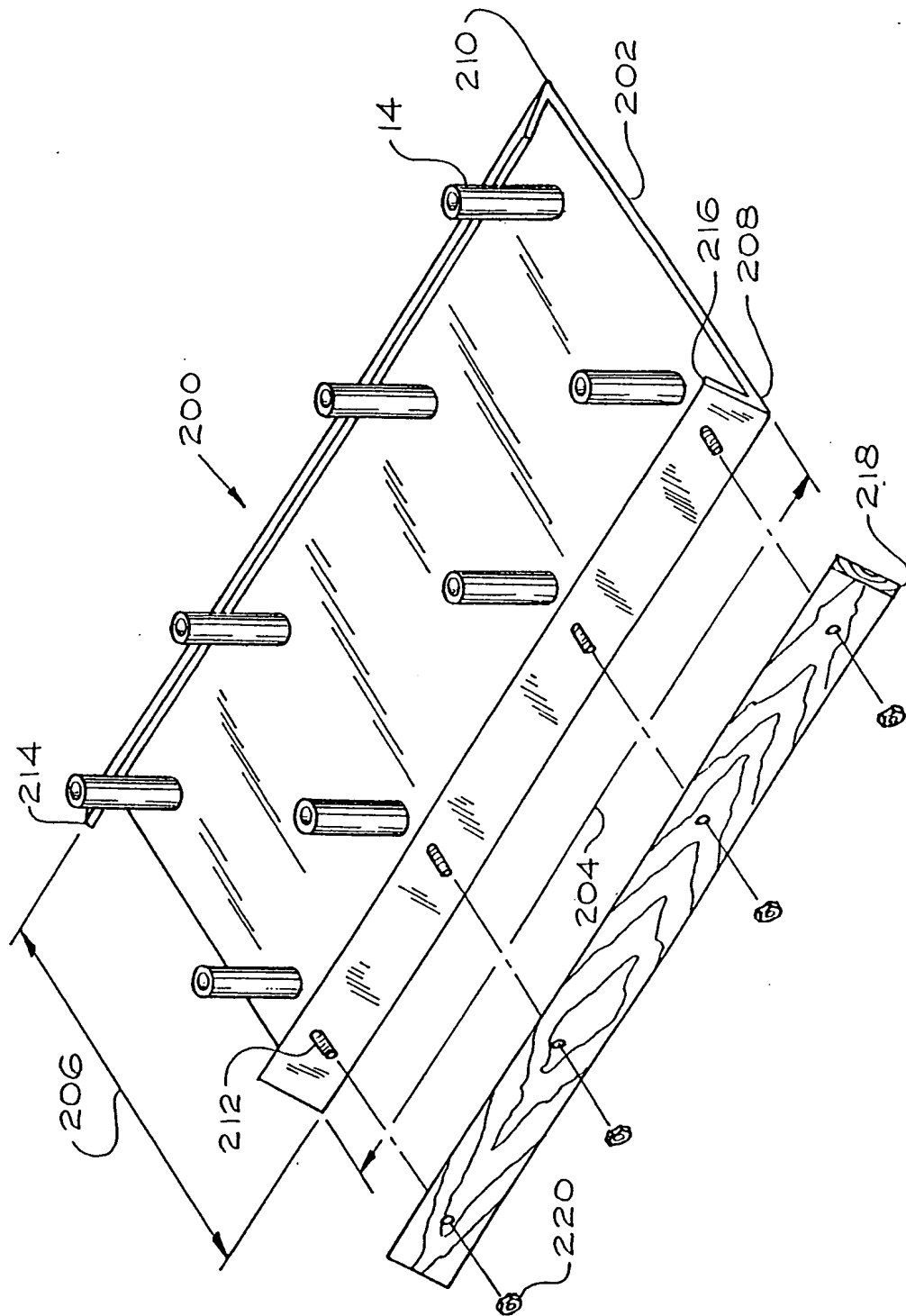


Fig. 15

FIG. 16

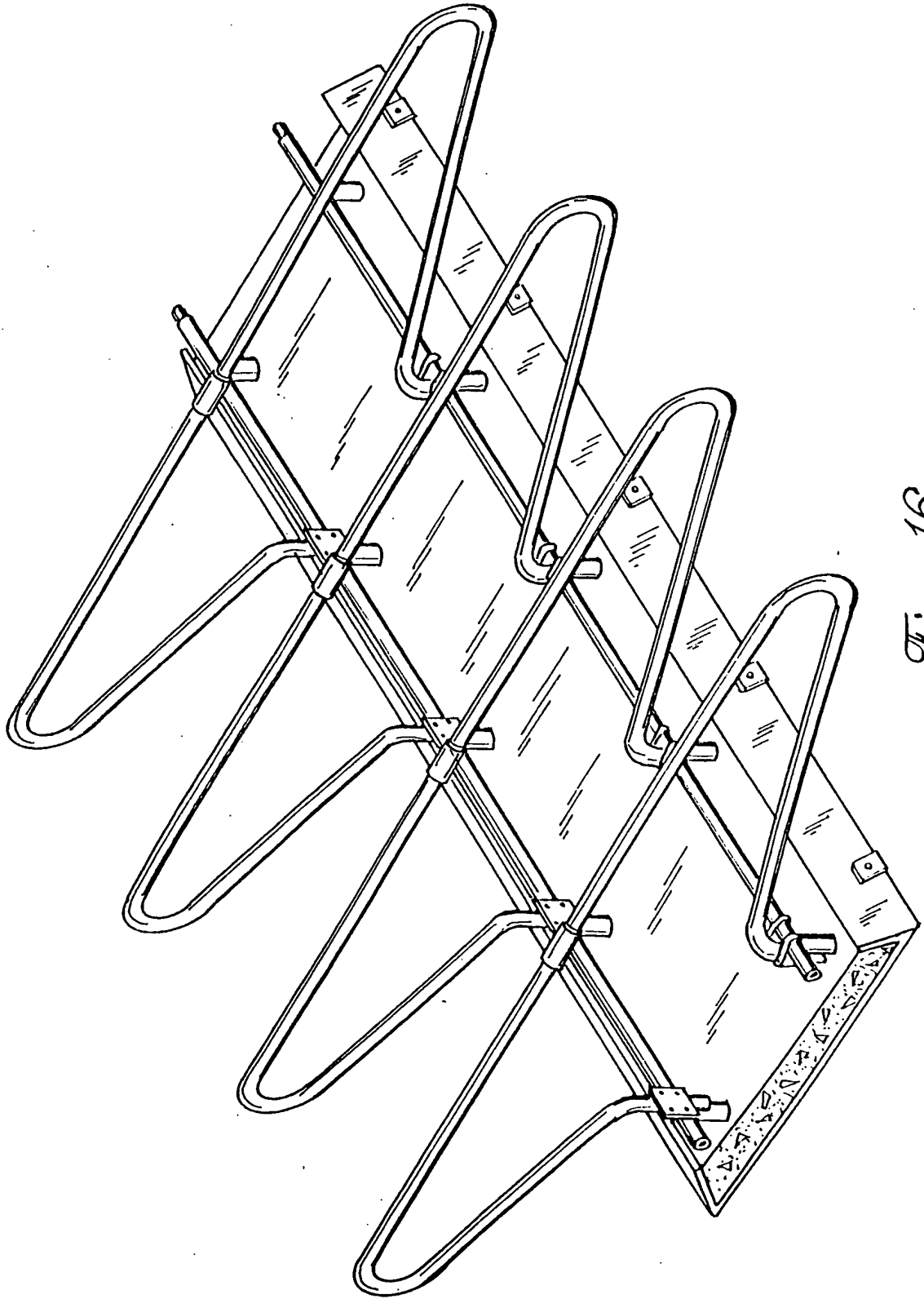


Fig. 16

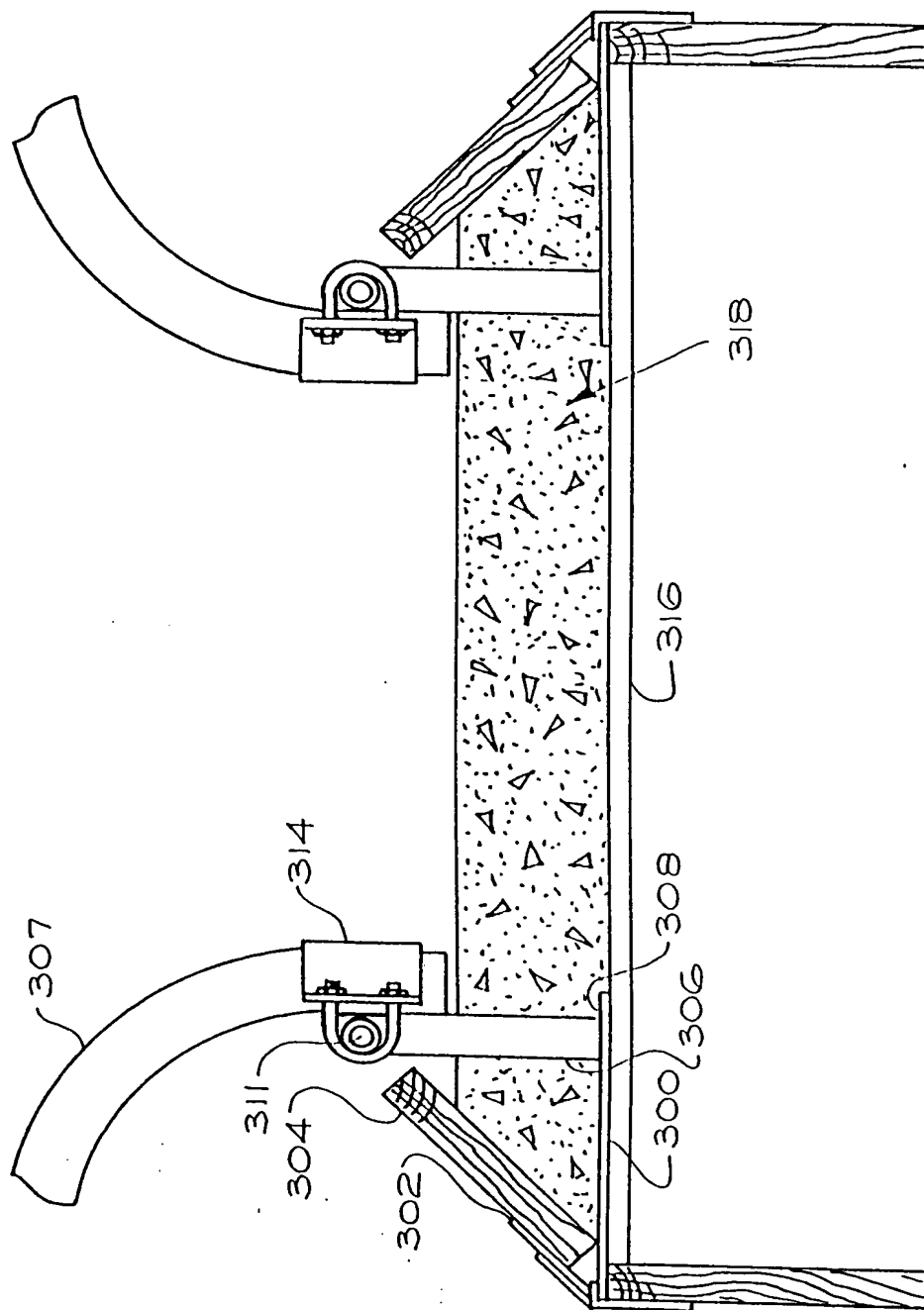


Fig. 17

FIG. 18 is a perspective view of the frame assembly 300 in a folded position.

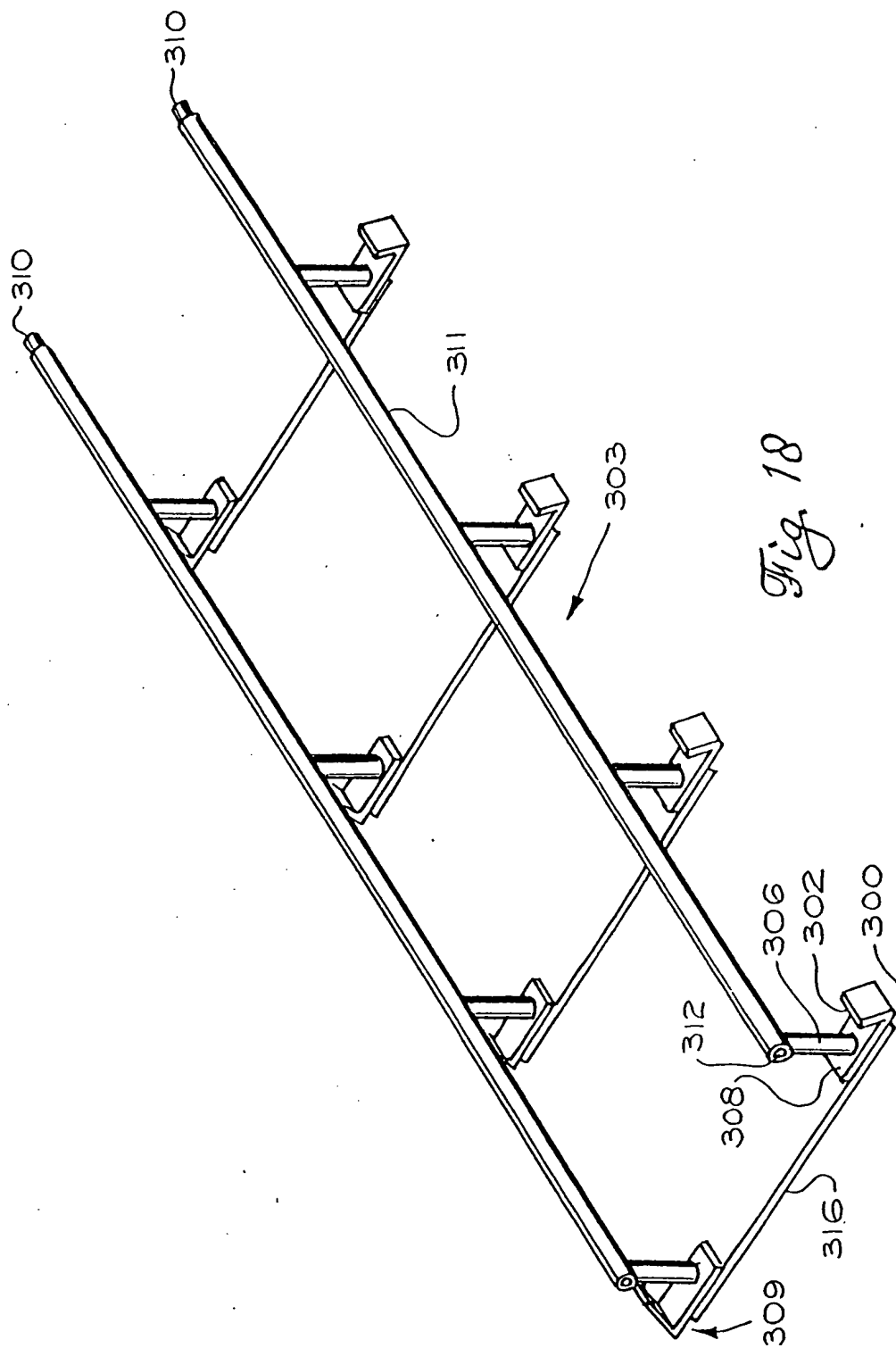


Fig. 18